

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100690.D
 Acq On : 29 Oct 2019 1:14
 Operator : JU
 Sample : K5531-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 11:54:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	2094	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	9076	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	5665	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	13728	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	17978	0.40	ng	0.00
34) Perylene-d12	23.82	264	20780	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	3189	0.49	ng	0.00
5) Phenol-d6	7.01	99	3104	0.34	ng	0.00
8) Nitrobenzene-d5	8.99	82	4587	0.82	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9413	0.66	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	377	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	14220	0.69	ng	0.00
25) Fluoranthene-d10	19.21	212	139978	0.79	ng	0.00
29) Terphenyl-d14	19.81	244	33276	0.85	ng	0.00

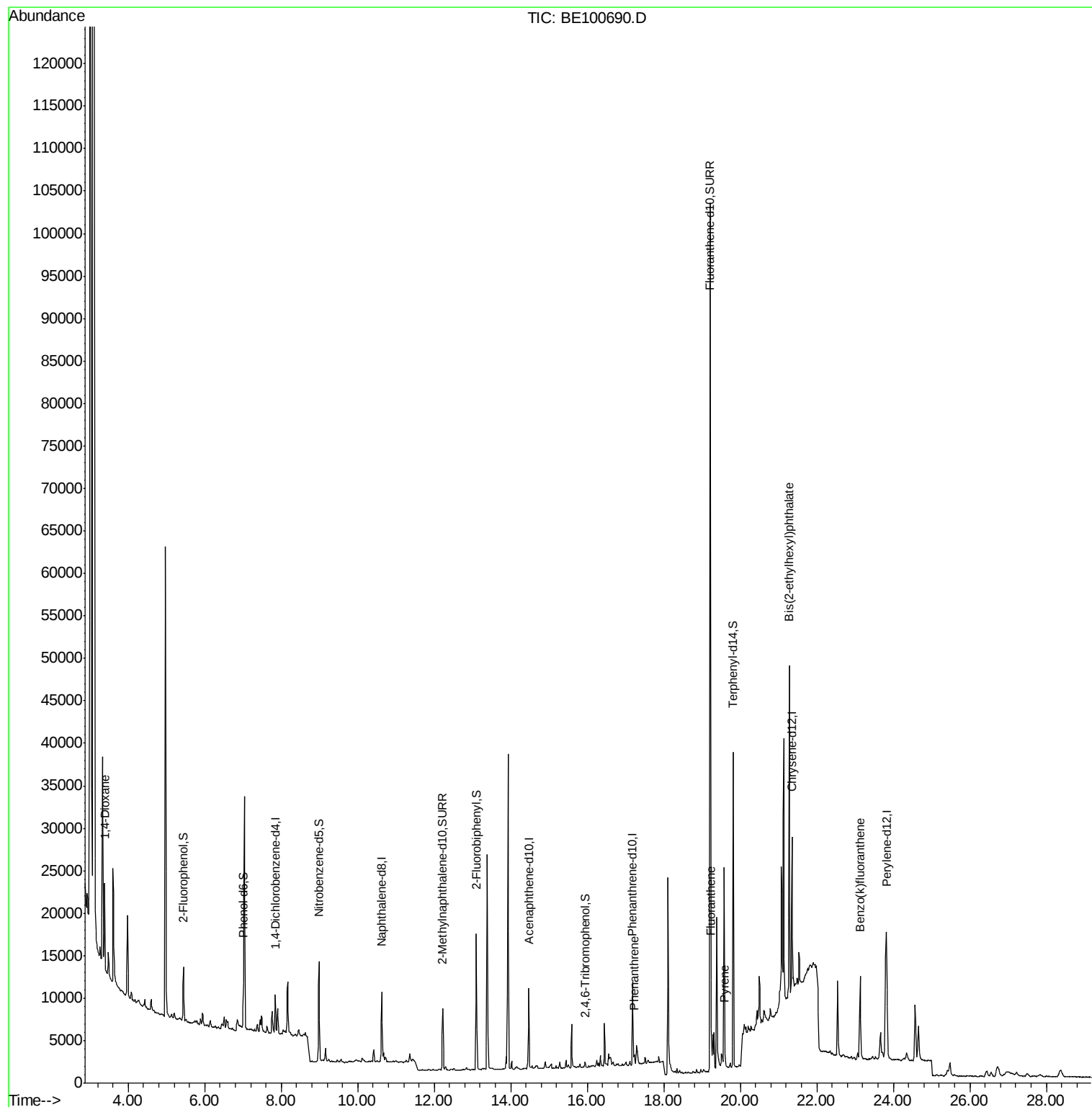
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	5946	1.591	ng	# 73
23) Phenanthrene	17.23	178	1384	0.037	ng	97
26) Fluoranthene	19.24	202	1210	0.025	ng	# 63
28) Pyrene	19.60	202	1176	0.023	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.28	149	43137	0.352	ng	99
36) Benzo(k)fluoranthene	23.12	252	2164	0.035	ng	# 1

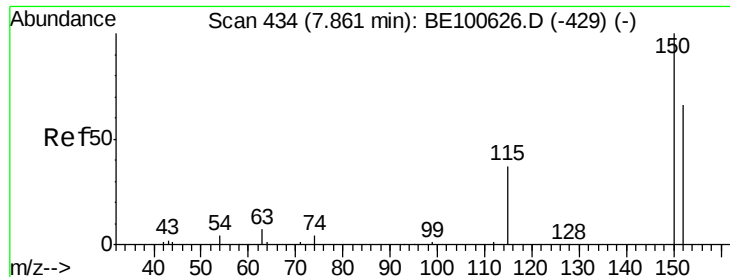
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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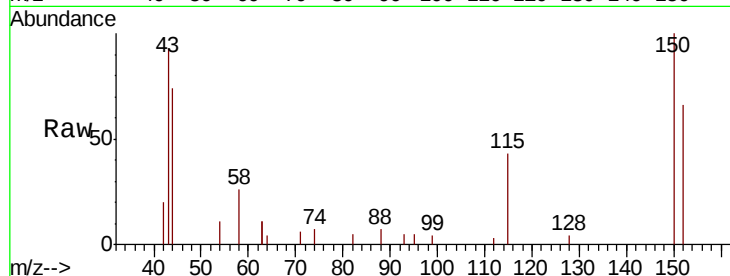


#1

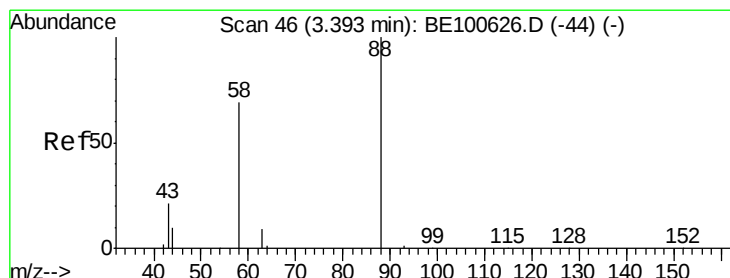
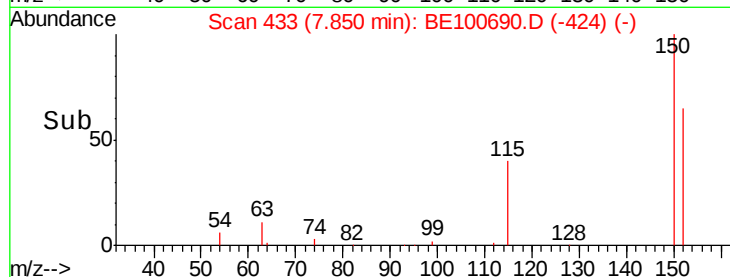
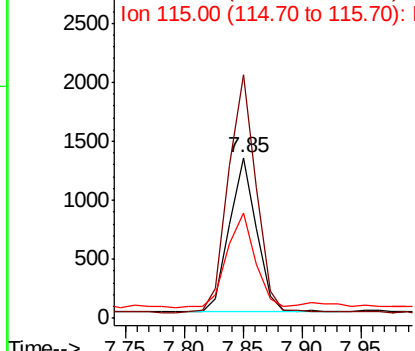
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE100690.D
Acq: 29 Oct 2019 1:14

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 2094
Ion Ratio Lower Upper
152 100
150 151.4 123.3 184.9
115 65.6 51.9 77.9



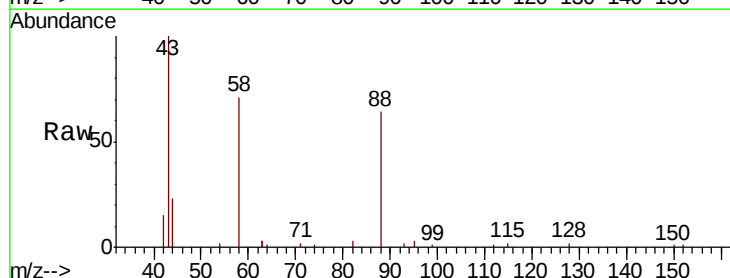
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



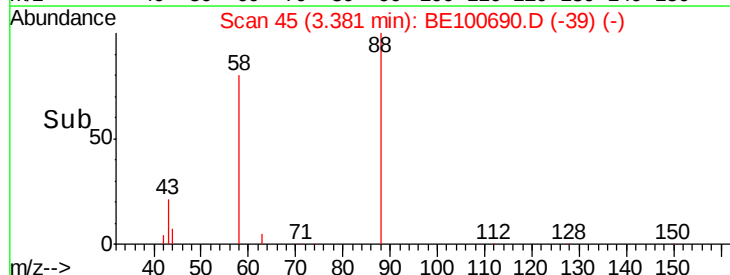
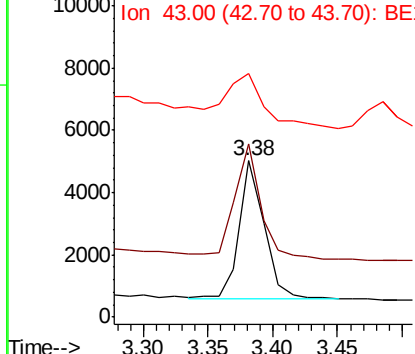
#2

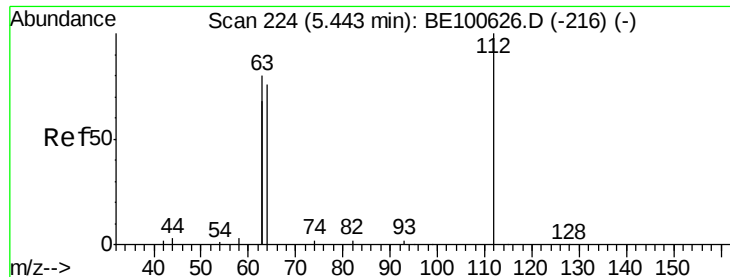
1,4-Dioxane
Concen: 1.591 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE100690.D
Acq: 29 Oct 2019 1:14

Tgt Ion: 88 Resp: 5946
Ion Ratio Lower Upper
88 100
58 87.2 59.8 89.6
43 62.4 24.6 36.8#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.493 ng

RT: 5.44 min Scan# 224

Delta R.T. -0.00 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampleId :

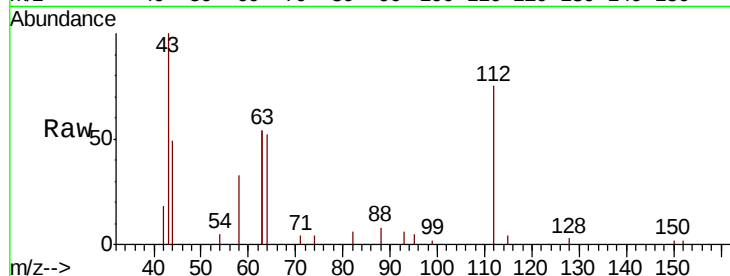
Tot Ion: 112 Resp: 3189

Ion Ratio Lower Upper

112 100

64 71.5 55.4 83.2

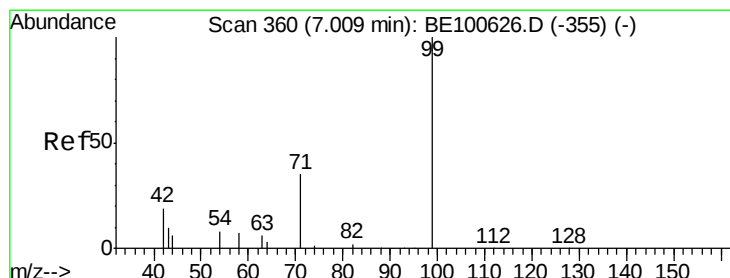
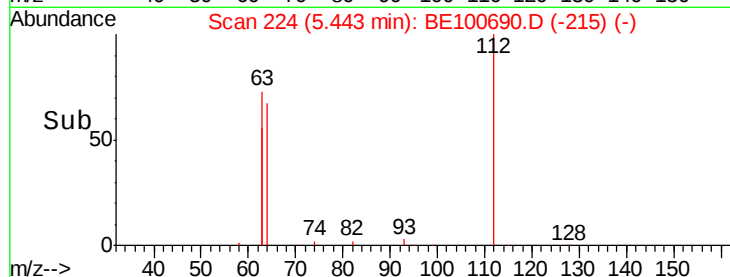
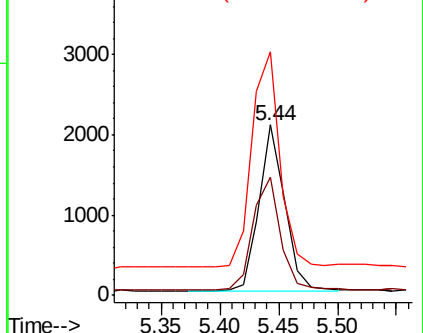
63 139.4 114.2 171.4



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.340 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.00 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

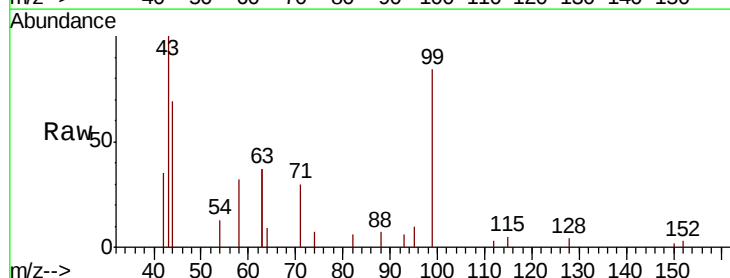
Tgt Ion: 99 Resp: 3104

Ion Ratio Lower Upper

99 100

42 0.0 17.7 26.5#

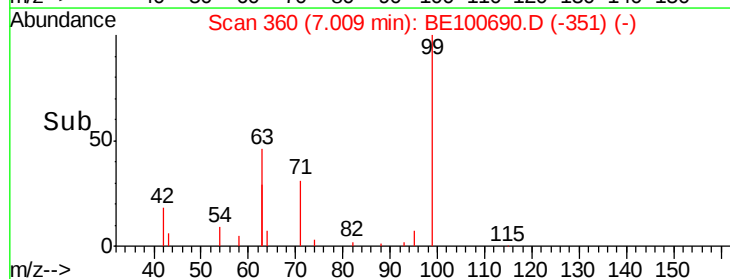
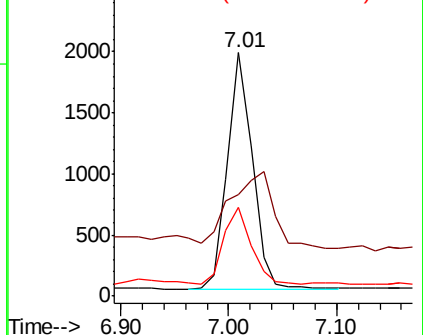
71 35.1 27.4 41.0

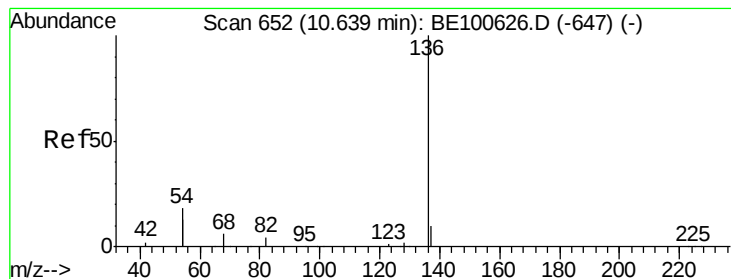


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 9076

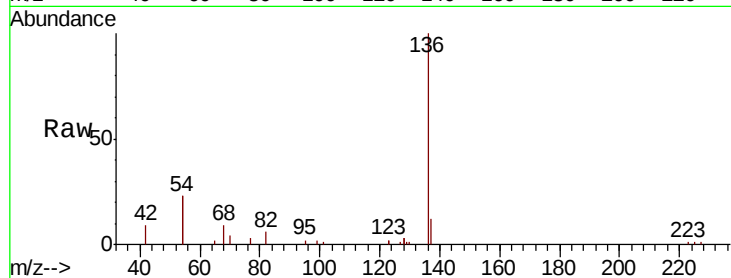
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 46.8 39.4 59.2

68 9.3 8.0 12.0

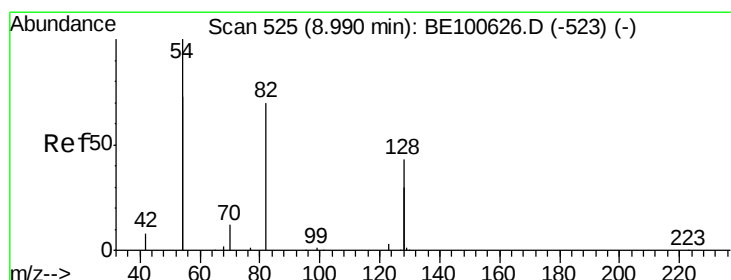
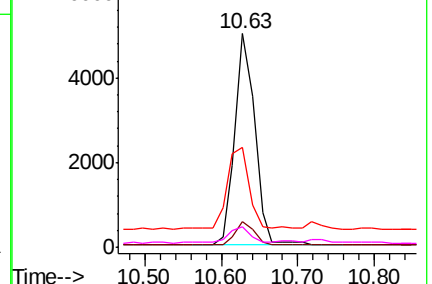
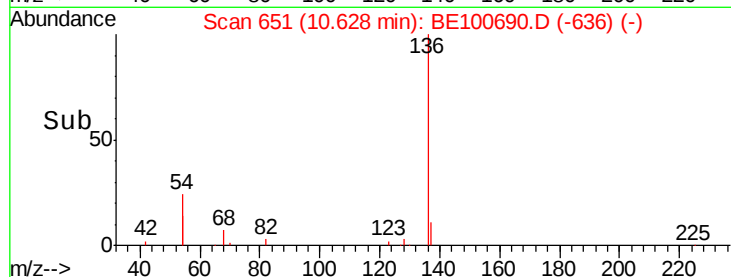


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.815 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

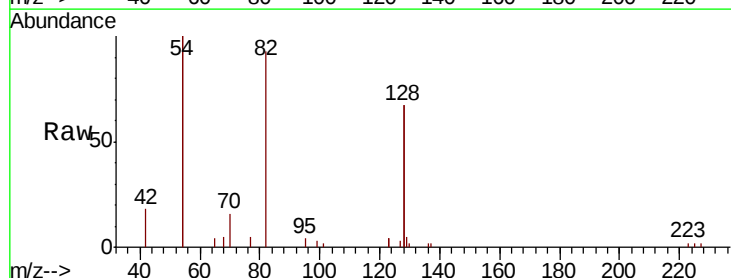
Tgt Ion: 82 Resp: 4587

Ion Ratio Lower Upper

82 100

128 143.4 107.8 161.8

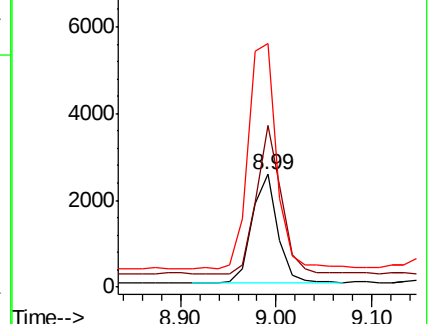
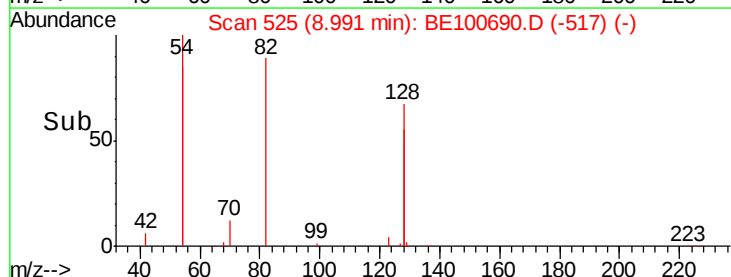
54 215.7 166.1 249.1

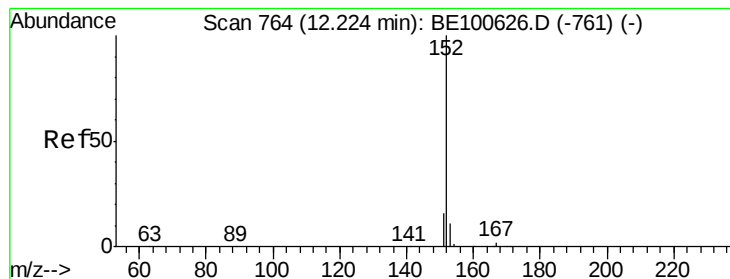


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

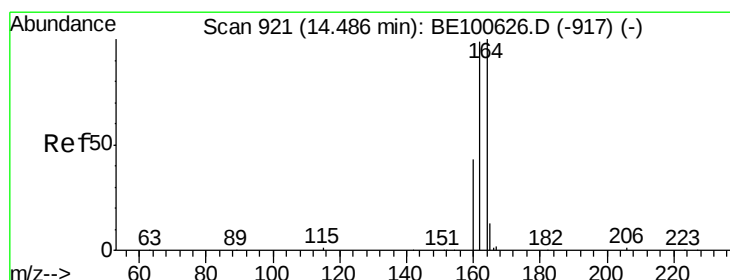
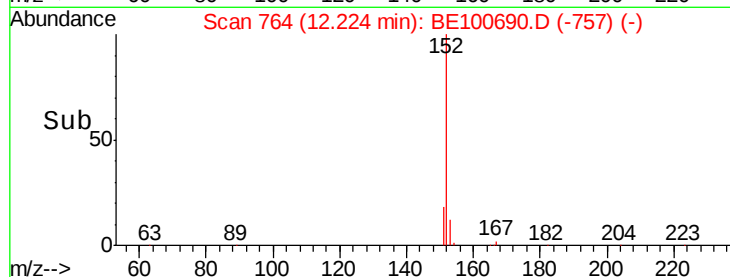
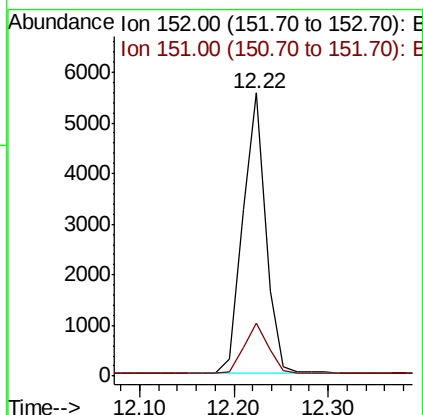
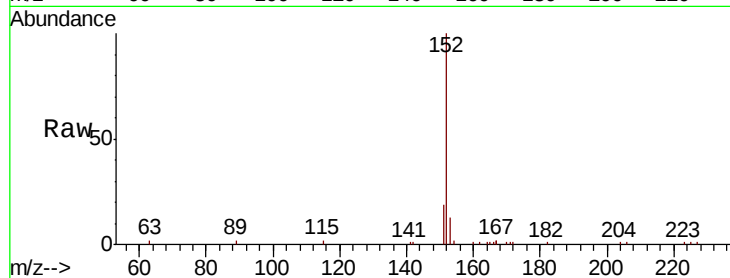




#11
 2-Methylnaphthalene-d10
 Concen: 0.658 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100690.D
 Acq: 29 Oct 2019 1:14

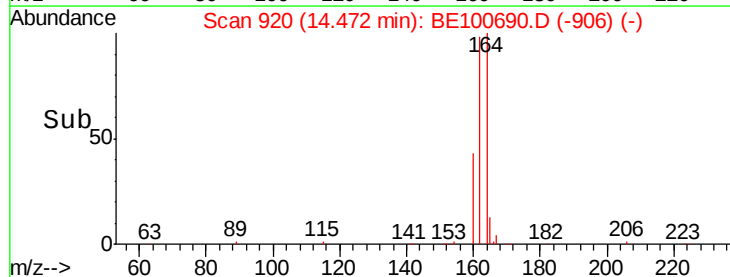
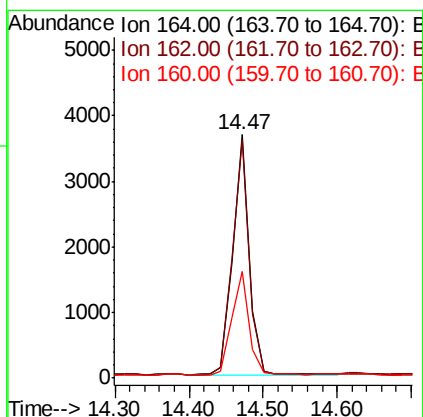
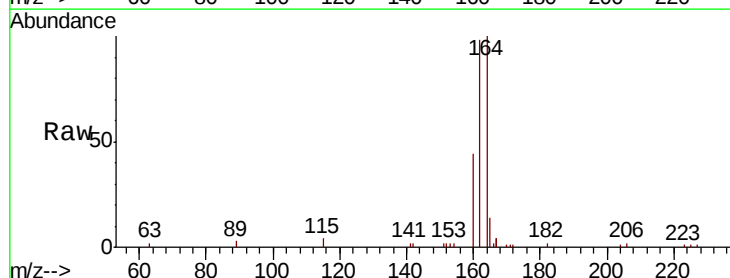
Instrument :
 BNA_E
 ClientSampleId :

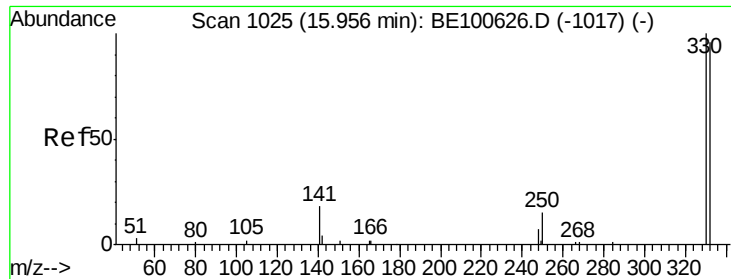
Tot Ion:152 Resp: 9413
 Ion Ratio Lower Upper
 152 100
 151 19.0 14.7 22.1



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100690.D
 Acq: 29 Oct 2019 1:14

Tgt Ion:164 Resp: 5665
 Ion Ratio Lower Upper
 164 100
 162 98.1 82.0 123.0
 160 43.8 37.5 56.3

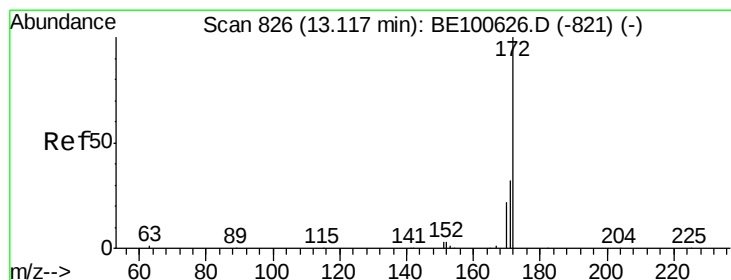
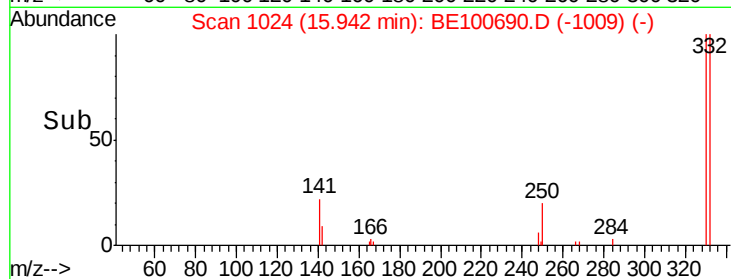
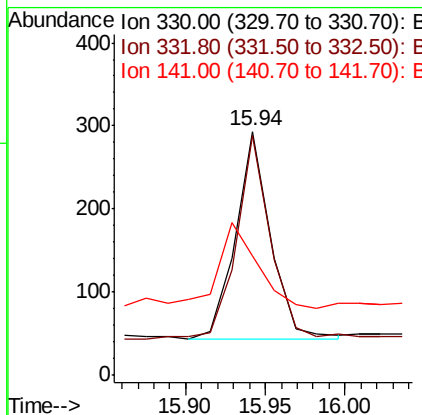
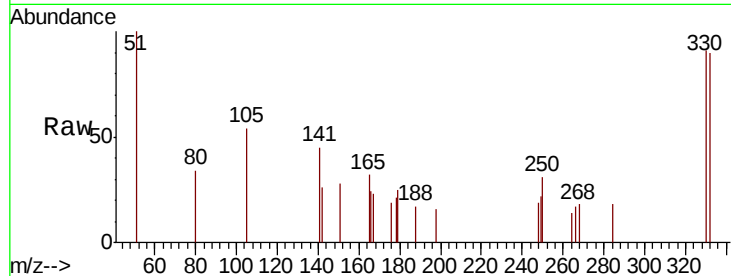




#14
 2,4,6-Tribromophenol
 Concen: 0.252 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE100690.D
 Acq: 29 Oct 2019 1:14

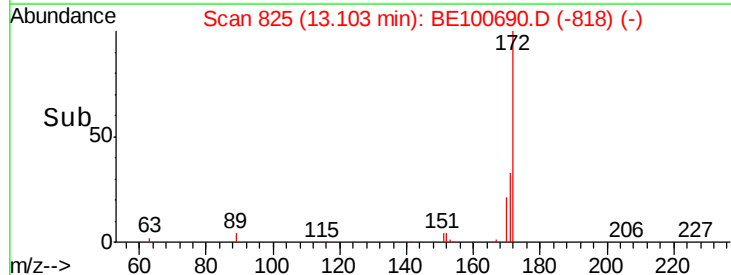
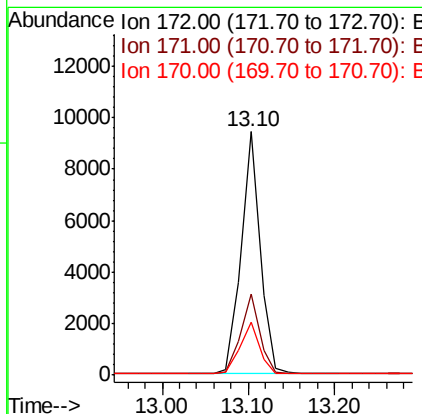
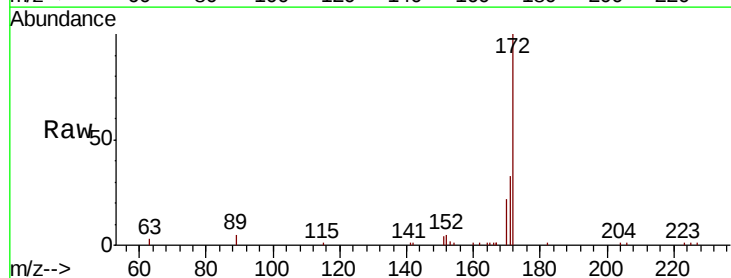
Instrument :
 BNA_E
 ClientSampleId :

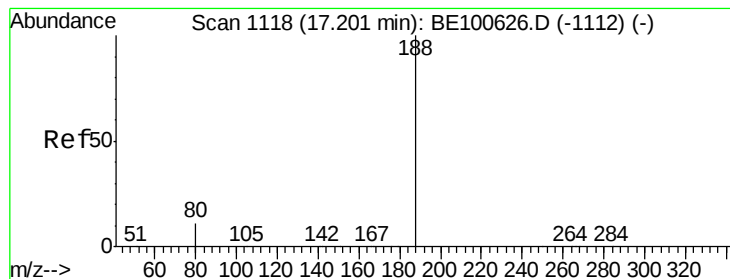
Tot Ion:330 Resp: 377
 Ion Ratio Lower Upper
 330 100
 332 99.2 77.9 116.9
 141 52.5 33.0 49.6#



#15
 2-Fluorobiphenyl
 Concen: 0.689 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE100690.D
 Acq: 29 Oct 2019 1:14

Tgt Ion:172 Resp: 14220
 Ion Ratio Lower Upper
 172 100
 171 33.1 26.5 39.7
 170 21.6 19.0 28.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampleId :

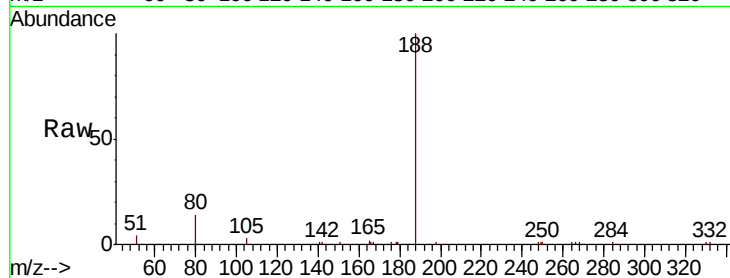
Tot Ion:188 Resp: 13728

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

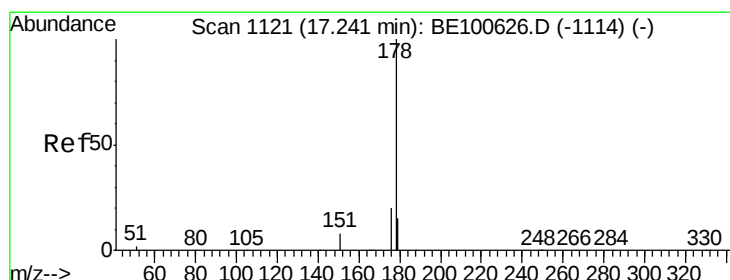
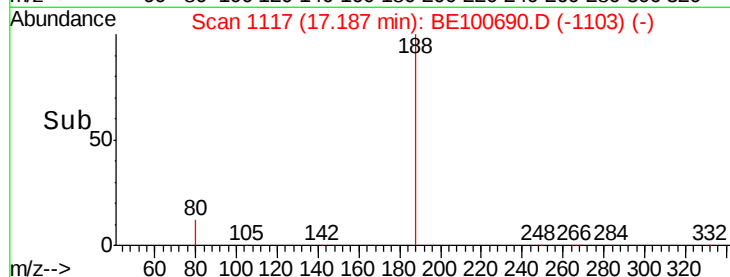
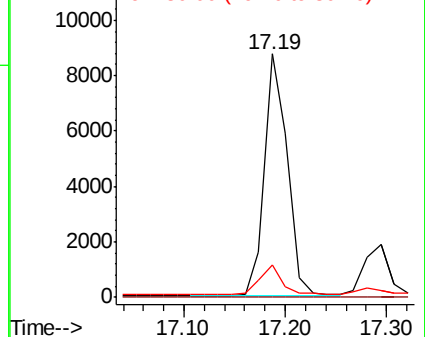
80 13.5 5.4 8.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 0.037 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

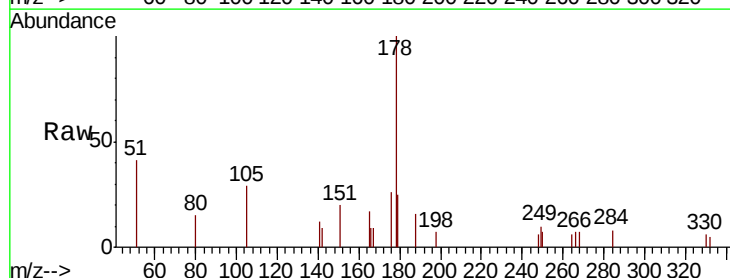
Tgt Ion:178 Resp: 1384

Ion Ratio Lower Upper

178 100

176 20.2 15.2 22.8

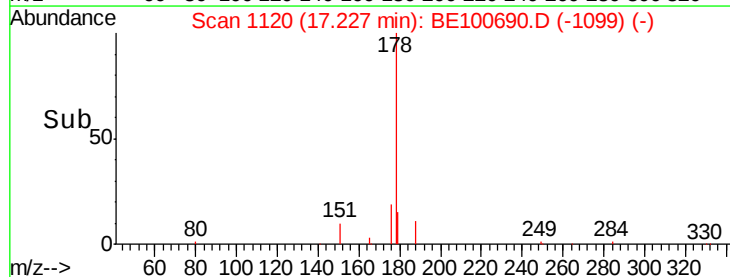
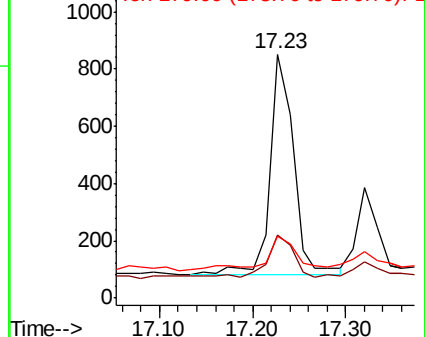
179 13.6 12.1 18.1

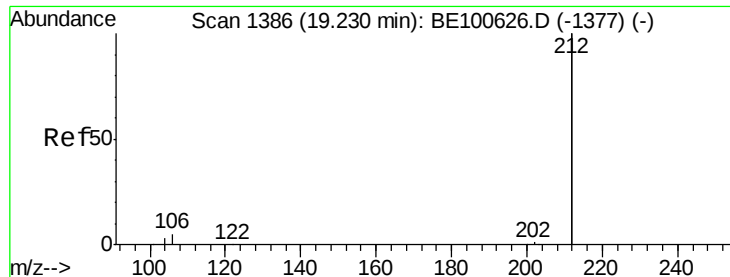


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.790 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampled :

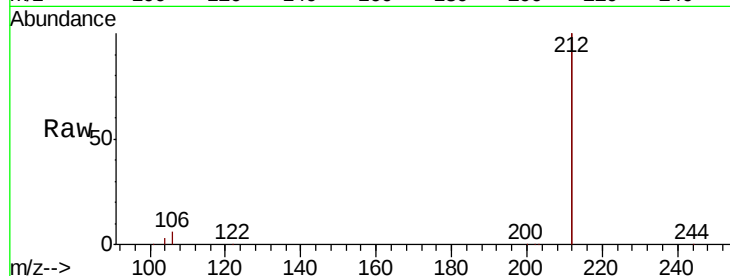
Tot Ion:212 Resp: 139978

Ion Ratio Lower Upper

212 100

106 3.2 2.3 3.5

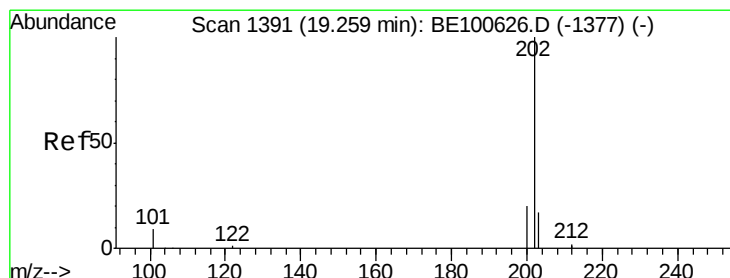
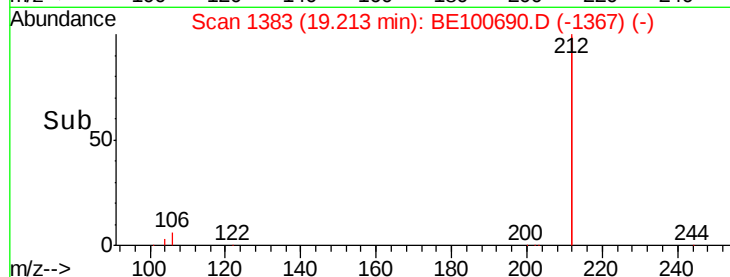
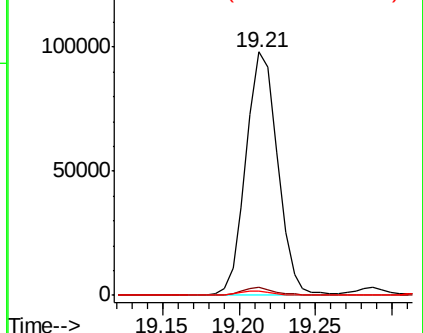
104 1.7 1.3 1.9



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.025 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

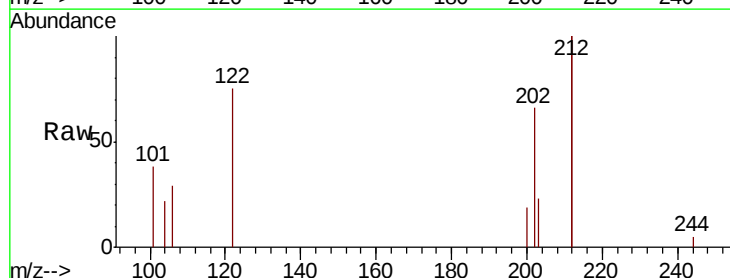
Tgt Ion:202 Resp: 1210

Ion Ratio Lower Upper

202 100

101 0.0 8.5 12.7#

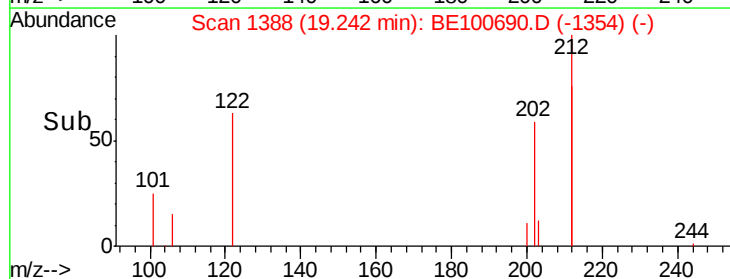
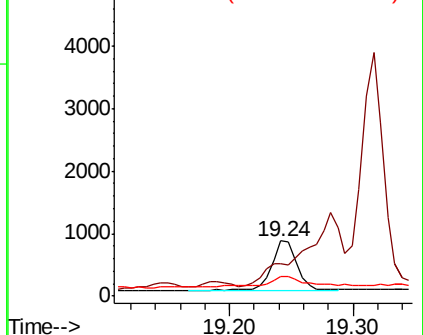
203 36.0 13.8 20.8#

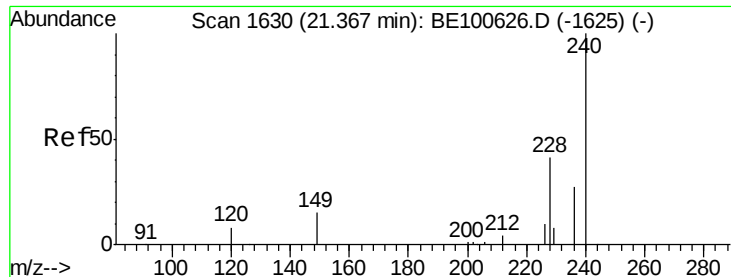


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampleId :

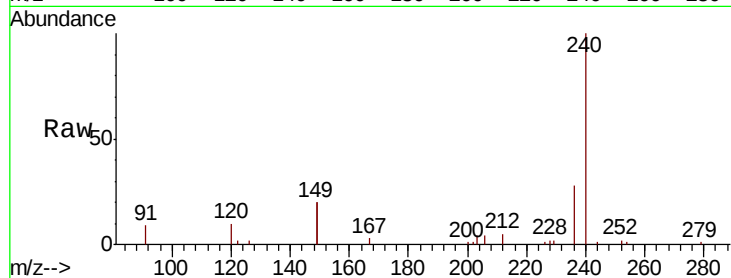
Tot Ion:240 Resp: 17978

Ion Ratio Lower Upper

240 100

120 9.7 7.6 11.4

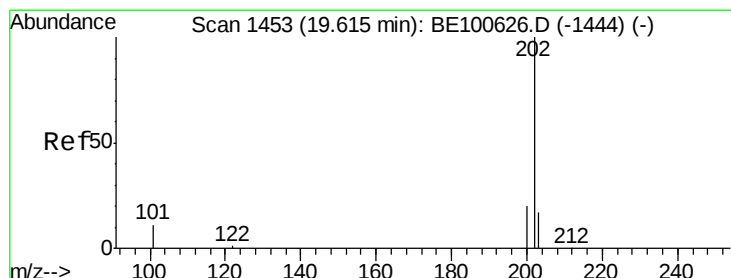
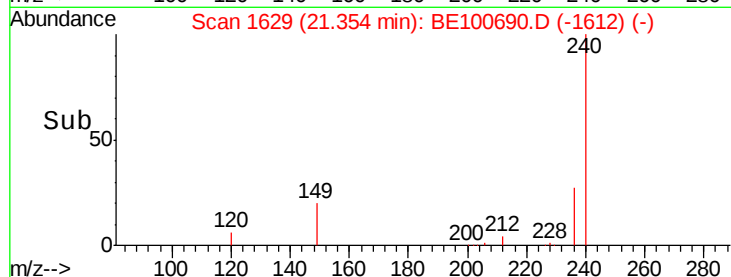
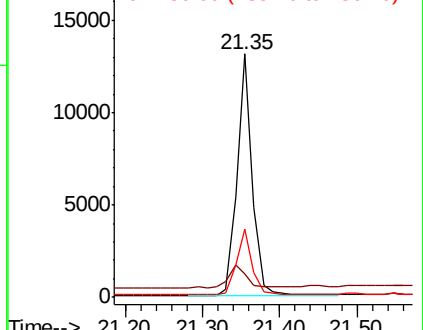
236 28.2 22.1 33.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.023 ng

RT: 19.60 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

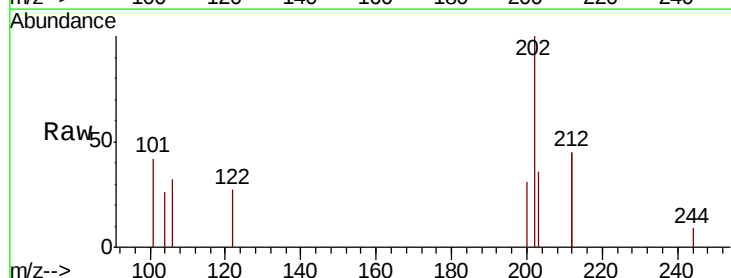
Tgt Ion:202 Resp: 1176

Ion Ratio Lower Upper

202 100

200 21.7 16.7 25.1

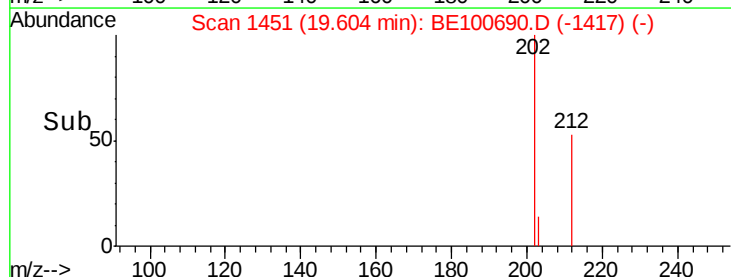
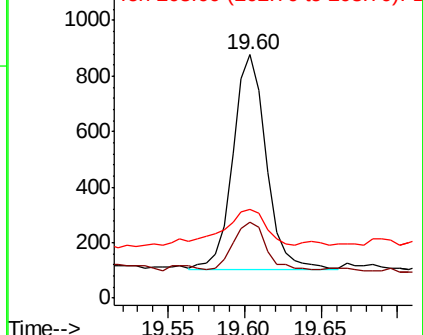
203 24.0 14.0 21.0#

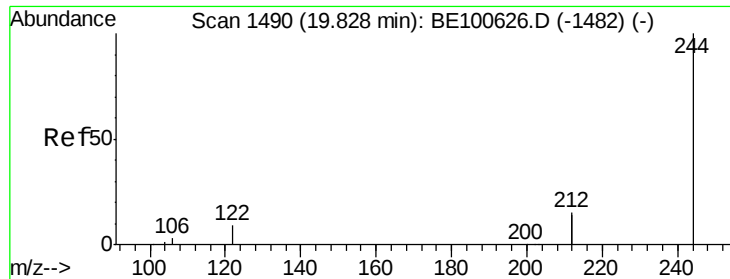


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.847 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

Instrument :

BNA_E

ClientSampleId :

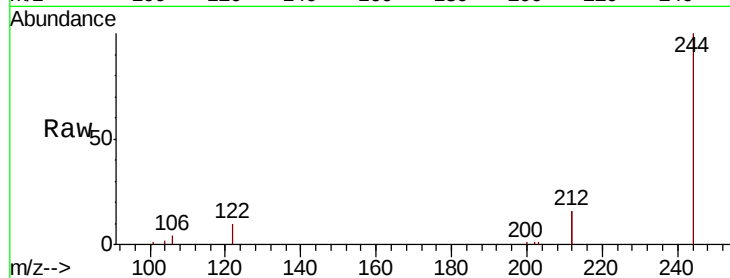
Tot Ion:244 Resp: 33276

Ion Ratio Lower Upper

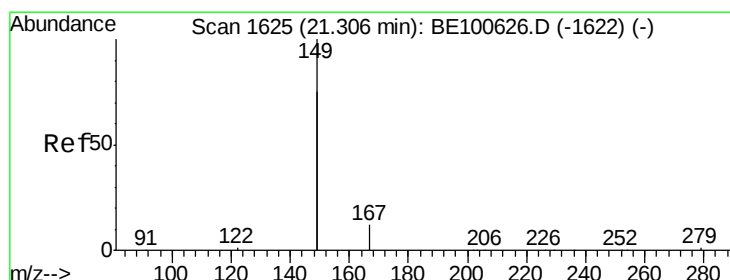
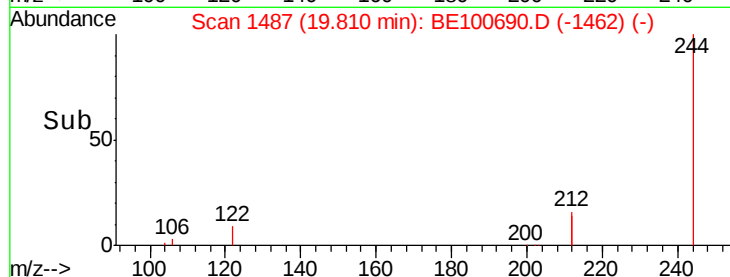
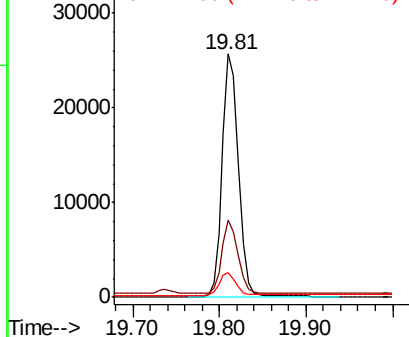
244 100

212 31.8 23.7 35.5

122 10.3 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.352 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100690.D

Acq: 29 Oct 2019 1:14

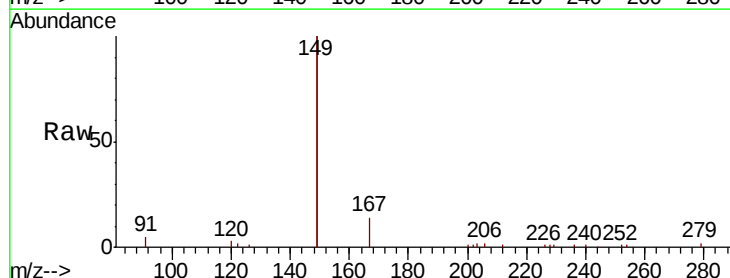
Tgt Ion:149 Resp: 43137

Ion Ratio Lower Upper

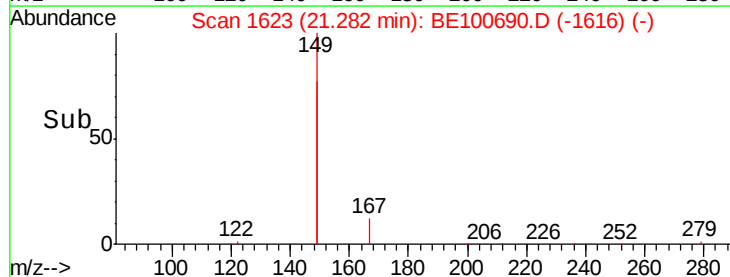
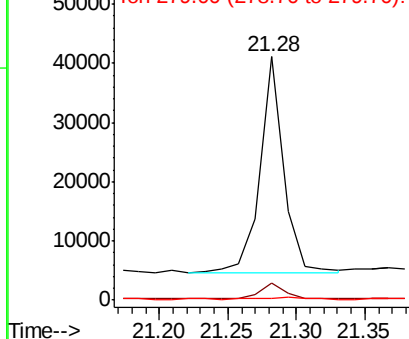
149 100

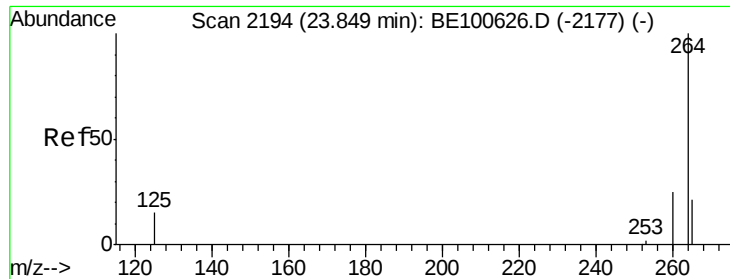
167 6.7 5.5 8.3

279 1.0 0.9 1.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

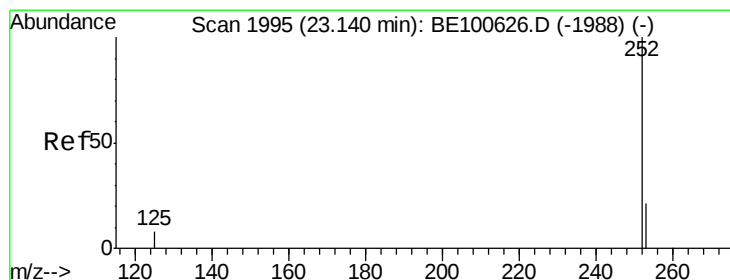
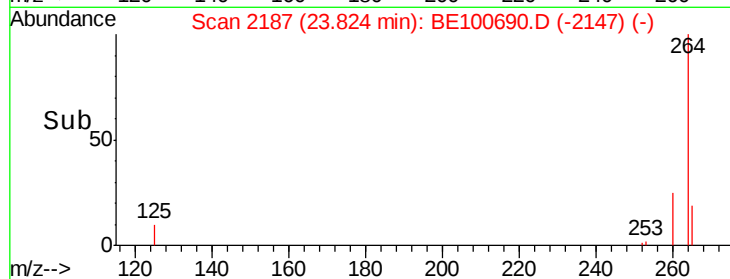
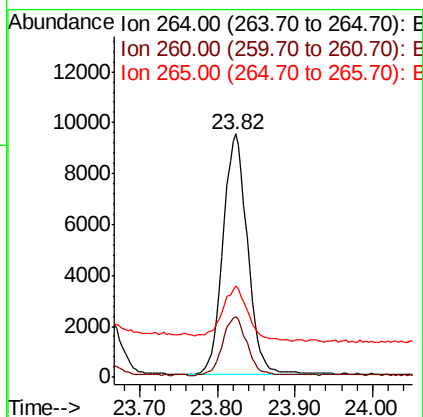
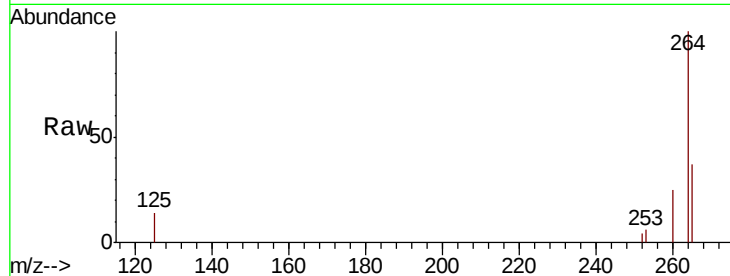




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BE100690.D
Acq: 29 Oct 2019 1:14

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 20780
Ion Ratio Lower Upper
264 100
260 24.9 19.4 29.2
265 37.3 21.7 32.5#



#36
Benzo(k)fluoranthene
Concen: 0.035 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE100690.D
Acq: 29 Oct 2019 1:14

Tgt Ion:252 Resp: 2164
Ion Ratio Lower Upper
252 100
253 123.0 18.4 27.6#
125 520.7 11.6 17.4#

